

南極およびグリーンランドの氷床コアから見る気候システム変動

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Climate system variations viewed from ice cores of Antarctica and Greenland

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Ice cores from Antarctica and Greenland have provided various records of climate and atmospheric composition in the past. Japanese glaciological community has conducted shallow and deep ice corings in Dronning Maud Land, Antarctica, including the 3035-m-long Dome Fuji ice core. For Greenland ice coring projects, Japan has participated in the North GRIP and NEEM projects. In this presentation, the past ice core studies will be summarized with emphases on bipolar and global scale climate reconstructions, and discuss the future research directions in which Japanese community should play roles, in particular to contribute to the international efforts such as those identified by IPICS.